11RFNA91V5

MOTOR PROTECTION RELAY, NON PHASE FAILURE/NON SINGLE-PHASE SENSITIVE. THREE-POLE (THREE-PHASE), AUTOMATIC RESETTING. DIRECT MOUNTING ON BG06, BG09, BG12 MINI-CONTACTORS, 0.9...1.5A



Product designation			11RFNA9
Product type designation			Motor protection relay
General characteristics			
Number of poles		Nr.	3
Overvoltage category			III
Pollution degree			3
Frontal IP degree			IP20
Type of release			Thermal
Protection fuse			
	gG (IEC)	A	4
	aM (IEC)	A	2
	K5 (UL)	A	6
Phase failure detection			yes
Reset mode			Automatic
Power circuit characteristics			
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	8
Rated operational voltage		V	690
Operational frequency			
	min	Hz	0
	max	Hz	400
Operational current Ie			
	Operational current min	A	0.9
	Operational current max	A	1.5
Tripping class			10A
Test Button			yes
Trip indicator			yes
Terminals			
	type		screw and washer
	screw		M4
	width	mm	9.8
	tool		Phillips 2
Tightening torque for terminals			
	min	Nm	2.3
	max	Nm	2.3
	min	lbin	1.7
	max	lbin	1.7
Conductor section			
	AWG/kcmil max		10
Auxiliary circuit characteristics			
Auxiliary contacts			
	NO	Nr.	1
	NC	Nr.	1

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Auxiliary Rated insulation voltage Ui IEC/EN		V	690
Auxiliary Rated impulse withstand voltage Uimp		kV	6
Auxiliary Rated operational voltage		V	690
IEC Conventional free air thermal current Ith		A	10
Terminals			
	Auxiliary circuit type		screw and washer
	Auxiliary circuit screw		M3.5
	Auxiliary circuit width	mm	8
	Auxiliary circuit tool		Phillips 1
Conductor section			
	Auxiliary circuit Flexible w/o lug max	mm²	2.5
	Auxiliary circut Flexible c/w lug max	mm²	2.5
Tightening torque for terminals			
	Auxiliary circuit min	Nm	1
	Auxiliary circuit max	Nm	1
	Auxiliary circuit min	lbin	0.74
	Auxiliary circuit max	lbin	0.74
UL/CSA and IEC/EN 60947-5-1 designation			C600-R300

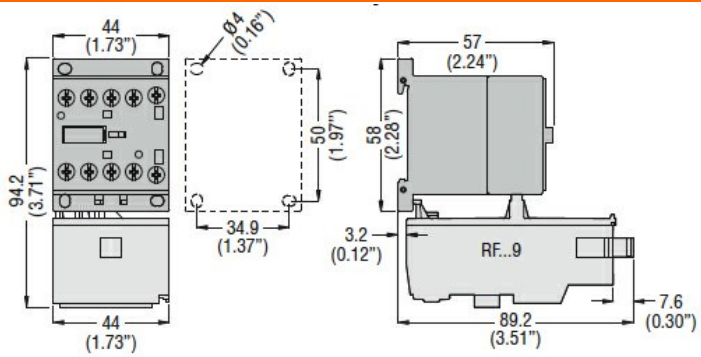
Ambient conditions

Operating temperature			
	min	°C	-20
	max	°C	+55
Storage temperature			
	min	°C	-55
	max	°C	+70
Compensation temperature			
	min	°C	-15
	max	°C	+55
Max altitude		m	3000

Mechanical features

Operating position			
	normal		Vertical plan
	allowable		±30°
Fixing			Direct mounting on BG06... BG09... BG12…
Weight		g	123

Dimensions



Wiring diagrams

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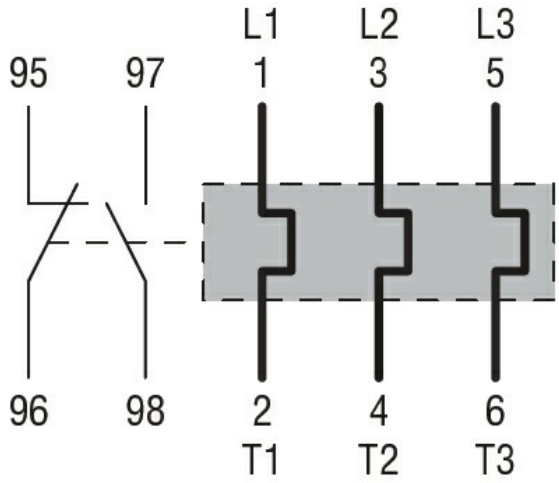

Certifications and compliance

Compliance

CSA C22.2 n° 14
IEC/EN 60947-1
IEC/EN 60947-4-1
UL508

Certifications

CCC
CSA
cULus
EAC

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